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SHIMADA KAZUHIKO****(54) POWER TRANSMISSION MECHANISM FOR
VEHICLE**

make the transmission of the torque ineffective.

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(57) Abstract:

PURPOSE: To reduce the necessary strength of a power transmission system by installing a means for restricting the torque transmitted to an axle to a set value or less, between a power source and the axle onto which the torque supplied from the power source is transmitted through a device in utilization of the viscosity of fluid.

CONSTITUTION: In a power transmission mechanism, e.g., a viscous fluid coupling mechanism 1, clutch inner and outer plates 25 and 26 are press-attached by a spring 27 in the ordinary case. Therefore, the engine torque transmitted to a ring gear carrier 21 through a rear wheel propulsion shaft 7, pinion gear 14, and a ring gear 15 is transmitted to a coupling case 16 through the clutch inner and outer plates 25 and 26, and further transmitted to the rear wheels 11L and 11R through the viscous fluid which exists between the annular plates 28 and 29. When the torque transmitted between the gears 14 and 15 becomes excessive, the carrier 21 retreats against the spring 27, and the clutch inner and outer plates 25 and 26 are separated to

